

=> File .Biotech

=> s yeast(5a)cell

L1 66100 YEAST(5A) CELL

=> s l1 and (Pichia pastoris)

L2 5424 L1 AND (PICHIA PASTORIS)

=> s protein(5a)extract?

L3 75898 PROTEIN(5A) EXTRACT?

=> s l2 and l3

L4 926 L2 AND L3

=> s l4 and (buffer?)

L5 909 L4 AND (BUFFER?)

=> s l5 and (detergent or tributylphosphate or TNBP or dimethylundecylamine or dimethyltetradecylamineoxide)

L6 1 L5 AND (DETERGENT OR TRIBUTYLPHOSPHATE OR TNBP OR DIMETHYLLUNDECYLAMINE OR DIMETHYLTETRADECYLAMINEOXIDE)

=> d l6 bib ab

L6 ANSWER 1 OF 1 USPATFULL on STN

AN 2003:3499 USPATFULL <<LOGINID::20060928>>

TI Methods and compositions for extracting proteins from cells

IN Sheppard, Scot R., Clayton, NC, UNITED STATES

PI US 2003003534 A1 20030102

US 6821752 B2 20041123

AI US 2002-52690 A1 20020118 (10)

RLI Continuation-in-part of Ser. No. US 2001-766043, filed on 19 Jan 2001, PENDING

DT Utility

FS APPLICATION

LREP PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 1 Drawing Page(s)

LN.CNT 541

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process of releasing a protein, recombinant or otherwise, from a cell. The process of the present invention involves contacting a host cell containing a protein of interest with a solution comprising one or more detergents and one or more reducing agents. The methods of the invention are particularly suitable to large scale production of recombinant products.

=> s l5 and (detergent)

L7 466 L5 AND (DETERGENT)

=> s l7 and (amphipathic charged amine oxide or amine)

L8 277 L7 AND (AMPHIPATHIC CHARGED AMINE OXIDE OR AMINE)

=> s l8 and (tributylphosphat or TNBP)

L9 0 L8 AND (TRIBUTYLPHOSPHAT OR TNBP)

=> s l8 and (tributylphosphate or TNBP)

L10 1 L8 AND (TRIBUTYLPHOSPHATE OR TNBP)

=> s l8 and (dimethyldecylamine)

L11 1 L8 AND (DIMETHYLDECYLAMINE)



=> s 18 and (dimethylundecylamine)  
L12 1 L8 AND (DIMETHYLUNDECYLAMINE)

=> s 17 and (dimethyltetradecylamineoxide)  
L13 0 L7 AND (DIMETHYLTETRADECYLAMINEOXIDE)

=> s 17 and (dimethyltridecylamineoxide)  
L14 1 L7 AND (DIMETHYLTRIDECYLAMINEOXIDE)

=> s 112 and 114  
L15 1 L12 AND L14

=> d 115 bib ab

L15 ANSWER 1 OF 1 USPATFULL on STN  
AN 2003:3499 USPATFULL <<LOGINID::20060928>>  
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suitable to large scale production of recombinant products.

=> s 18 and (glycerol)  
L16 240 L8 AND (GLYCEROL)

=> s Shepard, S?/au  
L17 351 SHEPARD, S?/AU

=> s 116 and 117  
L18 0 L16 AND L17

=> s Shepard, Scot/au  
L19 7 SHEPARD, SCOT/AU

=> s 116 and 119  
L20 0 L16 AND L19

=> s 18 and 117  
L21 0 L8 AND L17

=> s 18 and 119  
L22 0 L8 AND L19

=> d his

(FILE 'HOME' ENTERED AT 15:07:38 ON 28 SEP 2006)



FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, EMBASE, USPATFULL, WPIDS'  
ENTERED AT 15:08:06 ON 28 SEP 2006

L1 66100 S YEAST(5A)CELL  
L2 5424 S L1 AND (PICHIA PASTORIS)  
L3 75898 S PROTEIN(5A)EXTRACT?  
L4 926 S L2 AND L3  
L5 909 S L4 AND (BUFFER?)  
L6 1 S L5 AND (DETREGENT OR TRIBUTYLPHOSPHATE OR TNBP OR DIMETHYLLU  
L7 466 S L5 AND (DETERGENT)  
L8 277 S L7 AND (AMPHIPATHIC CHARGED AMINE OXIDE OR AMINE)  
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L12 1 S L8 AND (DIMETHYLUNDECYLAMINE)  
L13 0 S L7 AND (DIMETHYLTETRADECYLAMINEOXIDE)  
L14 1 S L7 AND (DIMETHYLTRIDECYLAMINEOXIDE)  
L15 1 S L12 AND L14  
L16 240 S L8 AND (GLYCEROL)  
L17 351 S SHEPARD, S?/AU  
L18 0 S L16 AND L17  
L19 7 S SHEPARD, SCOT/AU  
L20 0 S L16 AND L19  
L21 0 S L8 AND L17  
L22 0 S L8 AND L19

=> s l16 and (releas? or suspend?)

L23 239 L16 AND (RELEAS? OR SUSPEND?)

=> s l23 and (host(w)cell#)

L24 239 L23 AND (HOST(W) CELL#)

=> s l24 and (incubat?)

L25 239 L24 AND (INCUBAT?)

=> s l25 and (releas? or extract?(w)protein)

L26 239 L25 AND (RELEAS? OR EXTRACT?(W) PROTEIN)

=> s l26 and (suspend?(w)host cells)

L27 1 L26 AND (SUSPEND?(W) HOST CELLS)

=> d l27 bib ab

L27 ANSWER 1 OF 1 USPATFULL on STN

AN 2003:3499 USPATFULL <<LOGINID::20060928>>

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

STN INTERNATIONAL LOGOFF AT 15:35:44 ON 28 SEP 2006



Day : Thursday  
Date: 9/28/2006

Time: 15:38:46

**PALMINTRANET**

## Inventor Information for 09/766043

<b>Inventor Name</b>	<b>City</b>	<b>State/Country</b>
SHEPARD, SCOT R.	CLAYTON	NORTH CAROLINA

<b>Appln Info</b>	<b>Contents</b>	<b>Petition Info</b>	<b>Atty/Agent Info</b>	<b>Continuity/Reexam</b>	<b>Foreign C</b>
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PCT /  /   or PG PUBS #

Attorney Docket #

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Day : Thursday  
Date: 9/28/2006


**PALM INTRANET**

Time: 15:38:56

**Inventor Name Search Result**

Your Search was:

Last Name = SHEPARD

First Name = SCOT

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10070560</a>	Not Issued	30	04/25/2005	Method of producing and purifying endostatin protein	SHEPARD, SCOT R
<a href="#">09766043</a>	Not Issued	30	01/19/2001	Methods and compositions for extracting proteins from cells	SHEPARD, SCOT R.
<a href="#">09855634</a>	<a href="#">6635679</a>	150	05/14/2001	METHODS AND COMPOSITIONS FOR INACTIVATING VIRUSES	SHEPARD, SCOT R.
<a href="#">09982516</a>	<a href="#">6723536</a>	150	10/18/2001	METHOD OF PRODUCING AND PURIFYING ANGIOSTATIN	SHEPARD, SCOT R.
<a href="#">10602129</a>	Not Issued	60	06/24/2003	Methods and compositions for inactivating viruses	SHEPARD, SCOT R.
<a href="#">60153698</a>	Not Issued	159	09/14/1999	METHOD OF PRODUCING AND PURIFYING ENDOSTATIN TM PROTEIN	SHEPARD, SCOT R.
<a href="#">60168919</a>	Not Issued	159	12/03/1999	METHOD OF PRODUCING AND PURIFYING ANGIOSTATINTR PROTEIN	SHEPARD, SCOT R.
<a href="#">10610533</a>	Not Issued	30	07/02/2003	Systems and methods for improving recognition results via user-augmentation of a database	SHEPARD, SCOTT
<a href="#">10610534</a>	Not Issued	61	07/02/2003	Systems and methods for facilitating playback of media	SHEPARD, SCOTT
<a href="#">10610559</a>	Not Issued	30	07/02/2003	Systems and methods for providing audio service	SHEPARD, SCOTT
<a href="#">10610560</a>	Not Issued	30	07/02/2003	Systems and methods for providing real-time alerting	SHEPARD, SCOTT
<a href="#">10610574</a>	Not Issued	61	07/02/2003	Systems and methods for providing online event tracking	SHEPARD, SCOTT
<a href="#">10610684</a>	Not Issued	30	07/02/2003	Systems and methods for aiding human translation	SHEPARD, SCOTT



<u>10610697</u>	Not Issued	83	07/02/2003	Systems and methods for providing multimedia information management	SHEPARD, SCOTT
<u>10610799</u>	Not Issued	61	07/02/2003	Name browsing systems and methods	SHEPARD, SCOTT
<u>10925678</u>	Not Issued	95	08/25/2004	LOWER GUIDE TRACK FOR DOWN PACKING PRESS APPARATUS AND METHOD	SHEPARD, SCOTT
<u>10925679</u>	<u>7093535</u>	150	08/25/2004	SHORT PLATEN COMPATIBLE GUIDE TRACK INSERTION AND REMOVAL APPARATUS AND METHOD	SHEPARD, SCOTT
<u>10926443</u>	<u>7121195</u>	150	08/25/2004	METHOD AND APPARATUS FOR DRIVING MULTIPLE KNOTTERS	SHEPARD, SCOTT
<u>10926447</u>	Not Issued	95	08/25/2004	LATERALLY DISPLACEABLE GUIDE TRACK FOR A BULK MATERIAL BALER APPARATUS AND METHOD	SHEPARD, SCOTT
<u>10926448</u>	Not Issued	30	08/25/2004	Wire feeding apparatus and method	SHEPARD, SCOTT
<u>60394064</u>	Not Issued	159	07/03/2002	Systems and methods for providing acoustic classification	SHEPARD, SCOTT
<u>60394082</u>	Not Issued	159	07/03/2002	System and apparatus for audio-indexing	SHEPARD, SCOTT
<u>60419214</u>	Not Issued	159	10/17/2002	Systems and methods for classifying audio into broad phoneme classes	SHEPARD, SCOTT A.
<u>07695189</u>	Not Issued	166	05/03/1991	HUMAN NOTCH AND DELTA, BINDING DOMAINS IN TOPORYTHMIC PROTEINS, AND METHODS BASED THEREON	SHEPARD, SCOTT B.
<u>07791923</u>	Not Issued	166	11/14/1991	HUMAN NOTCH AND DELTA, BINDING DOMAINS IN TOPORYTHMIC PROTEINS, AND METHODS BASED THEREON	SHEPARD, SCOTT B.
<u>07879038</u>	Not Issued	166	04/30/1992	HUMAN NOTCH AND DELTA, BINDING DOMAINS IN TOPORYTHMIC PROTEINS, AND METHODS BASED THEREON	SHEPARD, SCOTT B.
<u>08465500</u>	<u>5789195</u>	150	06/05/1995	HUMAN NOTCH AND	SHEPARD, SCOTT



				DELTA, BINDING DOMAINS IN TOPORYTHMIC PROTEINS, AND METHODS BASED THEREON	B.
<u>08585840</u>	Not Issued	161	01/11/1996	NOVEL TECHNIQUE TO GENERATE CDNA LIBRARIES	SHEPARD, SCOTT B.
<u>09617645</u>	Not Issued	161	07/17/2000	Methods for identifying toporythmic protein analogs	SHEPARD, SCOTT BROCKWELL
<u>10351840</u>	<u>7003885</u>	150	01/27/2003	WIRE NIPPER	SHEPARD, SCOTT G.
<u>10903793</u>	<u>6966114</u>	150	07/30/2004	WIRE NIPPER	SHEPARD, SCOTT G.

Inventor Search Completed: No Records to Display.

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